Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/11/2014 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124627	-1	1.49	124409	1.43
Blue	F	SSC	125000	124553	-1	2.27	125429	1.98
Blue	E	FITC	17374	16817	-4	2.22	948	8.17
Blue	D	PE	22653	21940	-4	1.80	990	7.43
Blue	B	PerCP-Cy5-5	64987	64277	-2	2.47	1698	11.86
Blue	A	PE-Cy7	74081	73130	-2	3.48	966	23.04
Red	C	APC	61430	60759	-2	2.59	3439	7.80
Red	A	APC-Cy7	88289	87781	-1	2.68	1734	7.50
Violet	B	V450	12535	12036	-4	2.71	744	6.93
Violet	A	V500	47468	45532	-5	2.23	2572	4.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20283	4.20	578	-1	N/A	N/A	Pass
Blue	F	SSC	62357	1.30	492	3	N/A	N/A	Pass
Blue	E	FITC	104	31.51	509	0	0.0294	4	Pass
Blue	D	PE	205	22.66	501	0	0.1987	121	Pass
Blue	B	PerCP-Cy5-5	210	35.91	582	2	0.0136	11	Pass
Blue	A	PE-Cy7	74	88.44	639	2	0.0172	6	Pass
Red	C	APC	322	25.56	571	1	0.0233	43	Pass
Red	A	APC-Cy7	111	35.58	547	1	0.0055	774	Pass
Violet	B	V450	79	36.65	447	-2	0.0621	1736	Pass
Violet	A	V500	168	18.83	476	-2	0.0186	7	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.35	-31.20	0.89
Blue	20.46	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.31
Red	16.09	13.07 - 19.61	N/A	N/A	31.71	31.93	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 16775

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments